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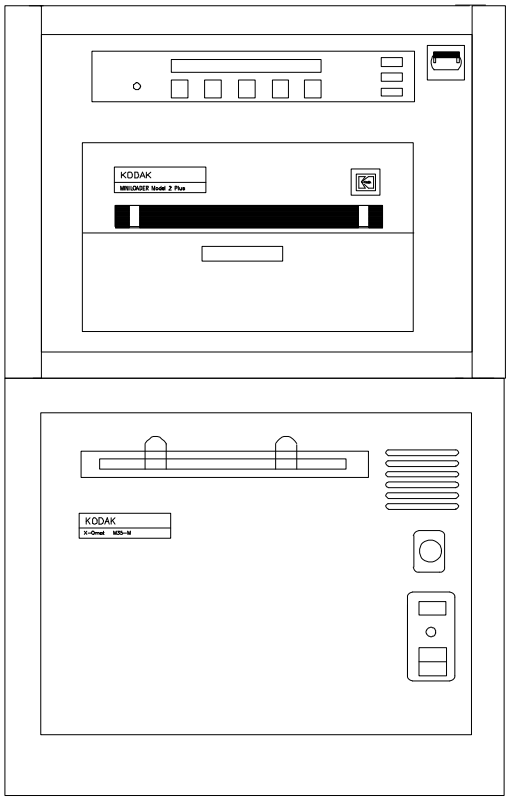
SITE SPECIFICATIONS

for the

Kodak MINILOADER 2 PLUS LOW VOLTAGE



Use this Publication for:-
MINILOADER 2 Plus Low Voltage Model Stand-Alone (SV code 3419), MINILOADER 2 Plus Low Voltage Model M35-M (SV code 3420) and MINILOADER 2 Plus Low Voltage Model 480RA (SV code 3421).

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CAUTION

This equipment includes parts and assemblies sensitive to damage from electrostatic discharge. Use caution to prevent damage during all service procedures.

PLEASE NOTE

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PHYSICAL DIMENSIONS.

MINILOADER ONLY.

Crated (with pallet).	Height:	850 mm	33.5 ins.
	Width:	990 mm	39 ins.
	Depth:	830 mm	32.5 ins.
	Weight -	Gross	134 Kg.
		Net	105 Kg.

M35-M Model Stand assembly etc.

Crated (with pallet).	Height:	1210 mm	43.75 ins.
	Width:	930 mm	53 ins.
	Depth:	840 mm	36.75 ins
	Weight:	Gross	84 Kg.
		Net	55 Kg.

The pallet and packing is disposable and does not need to be returned.

For the dimensions of the various models, please see the individual drawings on pages SS-9, SS-10 & SS-11.

ELECTRICAL REQUIREMENTS.

100, 110, 120, 220, 230 or 240 Volt Single phase 50/60 Hz. Power consumption is <500 Watts. (Fuse at 5 or 6 Amps).

WATER REQUIREMENTS.

Water supply and plumbing must comply with local codes. No INLET HOSE is supplied with the MINILOADER and must be provided locally.

Incoming water supply specification is:-

PRESSURE RANGE	0.3 to 5 Bar. Install a REGULATOR if required.
TEMPERATURE	4 to 29.5 ^{o}C. Tempered water required if temperature of incoming water is below 4 ^{o}C.
VOLUME REQUIRED	1 Litre per 24 hours approximately (depending on room humidity).

A 50 micron WATER FILTER should be provided by the customer.

If a BOTTLE (not supplied - must be locally sourced) is being used to supply the inlet water, the RESTRICTOR should be removed from the WATER INLET.

DRAINAGE REQUIREMENTS.

A drain must be provided. Normally water only flows from the unit when the HUMIDIFIER is drained for service purposes or if the MINILOADER is to be moved, but in the event of a failure of the SOLENOID VALVE the drain is required to have a capacity of 1 Litre/minute.

The outflow of the drain is approximately 800 - 900 mm above floor level depending on the STAND being used for the MINILOADER.

If the water is supplied from a BOTTLE, a larger sized COLLECTION BOTTLE than the SUPPLY BOTTLE must be used.

ROOM ENVIRONMENT.

Temperature:	Recommended:	20 °C
	Limits:	16 - 24 °C

Note. There must also be control of overnight temperatures especially in mobile units.

Relative Humidity:	Recommended:	50% Rh.
	Limits:	25* - 60% Rh.

* As long as the supplied HUMIDIFIER is in operation, otherwise 40 - 60% Rh.

NOTE - Film quality may be affected if the unit is operated outside the recommended environmental range. Operational problems will be encountered if temperature and/or relative humidity are outside the recommended values.
Prolonged exposure to relative humidity above the recommended maximum may cause the film to multiple load, or to jam in the supply magazine. Long term high humidity will cause corrosion inside the unit.

Lighting:	Recommended:	650 Lux
	Maximum:	2150 Lux

Floor Gradient: The maximum gradient of the floor on which the M35-M version is installed has to be below 1%. I.E. The floor must not incline more than 1 cm per metre in any direction. The floor must also be clear of any obstructions. If the gradient is greater, or the floor surface has an uneven channel it may not be possible to roll the MINILOADER away from the X-OMAT M35-M PROCESSOR.

INSTALLATION.

1. The site must be properly prepared before the MINILOADER is installed.

2. The MINILOADER 2 Plus was designed to accept 18 x 24 cm and 24 x 30 cm KODAK MIN-R 2 Cassettes and 8 x 10 inch KODAK X-OMATIC Video film holders.
   The cassettes require preparation before use. All cassettes require a reflective PATCH on the outside, and MIN-R 2 cassettes require two reflective PATCHES inside.

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3. An ESR/FE will visit the premises during Kodak's normal working hours to inspect the site where the MINILOADER is to be installed. At that time, it will be determined whether the site has been properly prepared for the equipment installation. The customer should be notified of any areas that require further preparation.

BUILDING EXHAUST DUCT.

IMPORTANT

If the MINILOADER is processor interfaced, it is important that the PROCESSOR has correct venting.
If the venting is not correct fumes will cause corrosion to the MINILOADER.
DO NOT INSTALL THE SYSTEM IF THE PROCESSOR IS NOT CORRECTLY VENTED.
THE NEGATIVE PRESSURE MUST BE MAINTAINED 24 HOURS.

The air flow is correct when the fumes are flowing out of the PROCESSOR through the EXHAUST HOSE.

Do the following procedure, using an AIR METER TL 2431 to check the venting is correct:

1. Switch off the PROCESSOR (if already installed).

2. Place the RUBBER HOSE on the centre connection of the AIR METER.

3. Disconnect the EXHAUST HOSE from the X-OMAT EXHAUST DUCT.

4. If a REPLENISHMENT CHECK TUBE ASSEMBLY is available, do steps 5 to 8.

NOTE.
If no REPLENISHMENT CHECK TUBE is available, advance to step 9.

5. Remove the curved end of the REPLENISHER CHECK TUBE part no. 592380 by cutting.

6. Install the tapered end of the REPLENISHMENT CHECK TUBE on the RUBBER HOSE.

IMPORTANT.

The REPLENISHMENT CHECK TUBE must be kept in the centre of the EXHAUST DUCT.

7. Move the REPLENISHMENT CHECK TUBE into the EXHAUST HOSE until the end of the TUBE is 30 cm. (12 ins.) from the end of the EXHAUST HOSE.

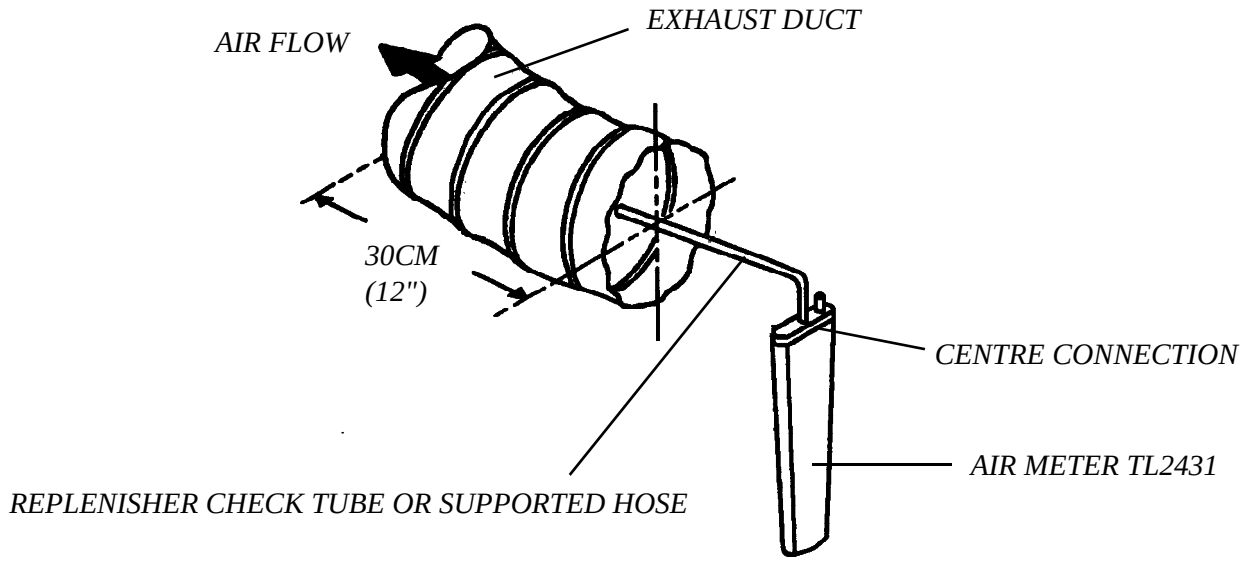
8. Advance to step 12.

9. Align a HOSE SUPPORT with the RUBBER HOSE. The ends of the HOSE SUPPORT and the RUBBER HOSE must be together. An example of a HOSE SUPPORT is a straightened wire COAT HANGER.

IMPORTANT.

The tape should not inhibit the air flow through the RUBBER HOSE.

10. Place tape around the HOSE SUPPORT and the RUBBER HOSE at two points**.**



IMPORTANT.

The RUBBER HOSE must be kept in the centre of the EXHAUST DUCT.

11. Move the RUBBER HOSE into the EXHAUST DUCT using the HOSE SUPPORT until the end of the RUBBER HOSE is 30 cm (12 inches) from the end of the EXHAUST DUCT.

12. Hold the AIR METER vertically, and take the average of several readings.

13. Compare the average reading with the figures in the table.

DUCT SIZE	Negative Static Pressure, Water Head	
	MINIMUM	MAXIMUM
75 mm (3 in.)	0.75 mm (0.03 in.)	1.0 mm (0.04 in.)
100 mm (4 in.)	0.25 mm (0.01 in.)	0.5 mm (0.02 in.)

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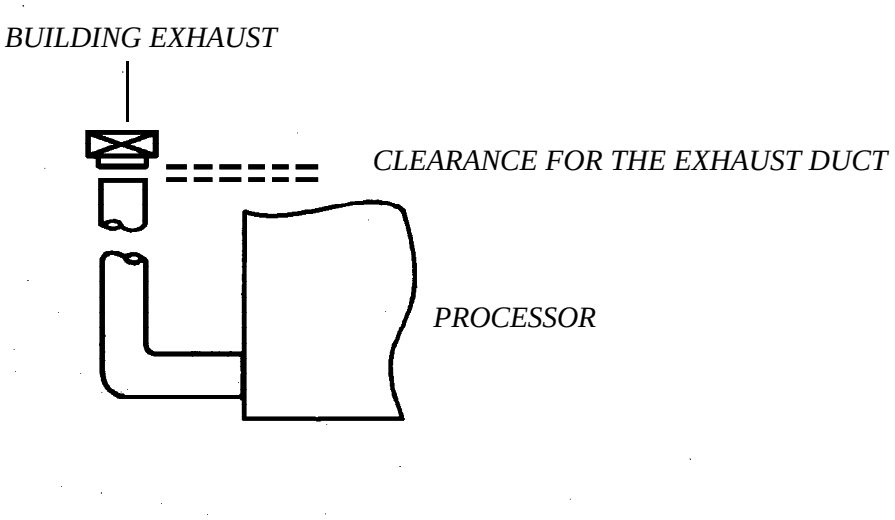
14. Adjust one of the following to obtain the required reading obtained from the table.
    - The DAMPER or FAN in the BUILDING VENTILATION SYSTEM.
    - The clearance on the EXHAUST DUCT.



15. If the air flow is still not correct, contact the SALES REPRESENTATIVE and the CUSTOMER to correct the venting.

16. When the air flow reading is within the range in the table, connect the EXHAUST DUCT to the PROCESSOR.

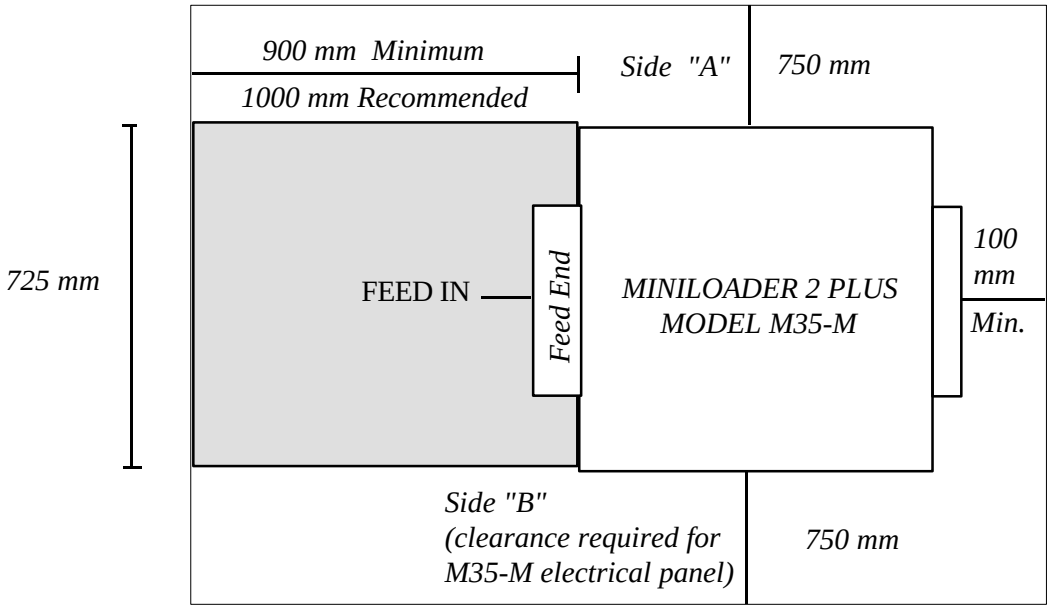
IMPORTANT.

Inform the CUSTOMER that all machine PANELS and COVERS must be installed to maintain the correct air flow.

17. If necessary, install the PANELS and COVERS.

DIMENSIONS AND SERVICE CLEARANCES, M35-M Model.

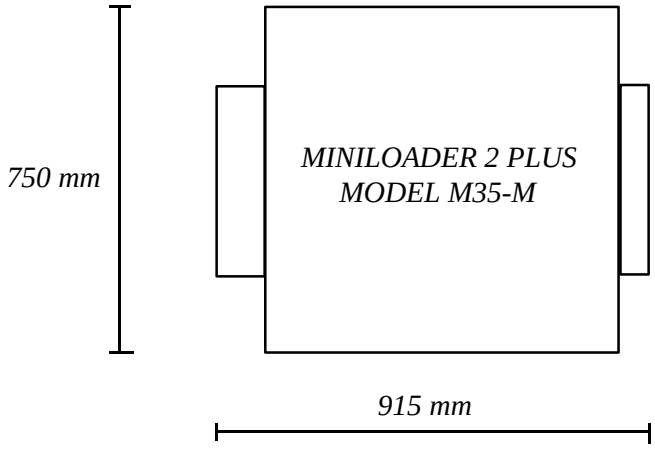
Clearance required above is 1000 mm



NOTES. If space is at a premium, the clearance on side "A" ONLY may be reduced to 200 mm. The clearance on side "B" may be reduced to 500 mm. The minimum front and rear clearances MUST be maintained.

The MAXIMUM drain height for the M35-M processor in this configuration is 130 mm.

The floor must be within 1% of level (1 mm in 100 mm) within the shaded area and must be free of obstructions for the MINILOADER to be rolled forward for access to the processor.



Total height of installed system is 1250 mm.

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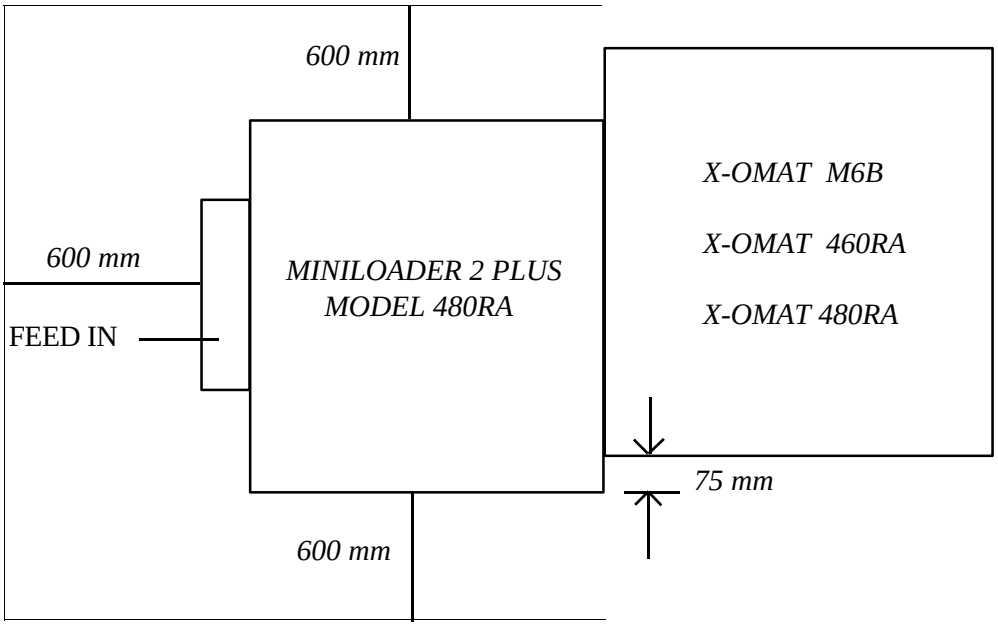
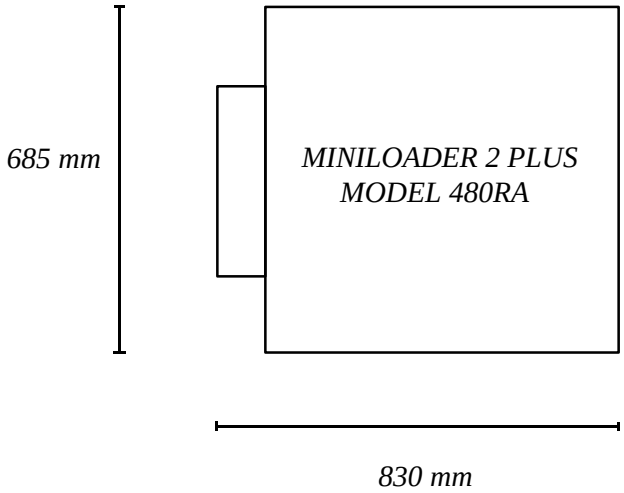
DIMENSIONS AND SERVICE CLEARANCES,
Model 480RA interfaced to M6B / 460RA / 480RA.

Clearance required above is 1000 mm.



NOTE. If space is at a premium, the clearance on ONE side may be reduced to 150 mm. The clearance at the front MUST be maintained.

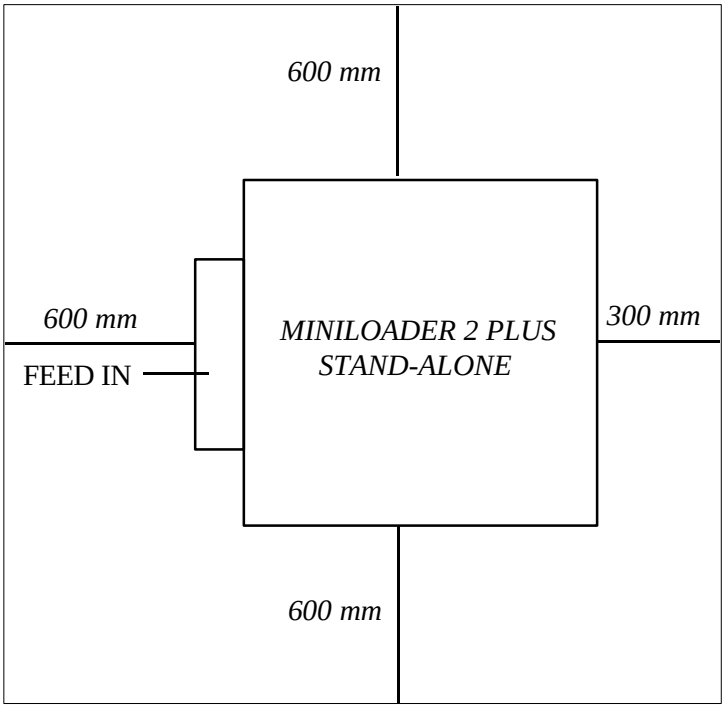
Normal processor clearances must be observed.



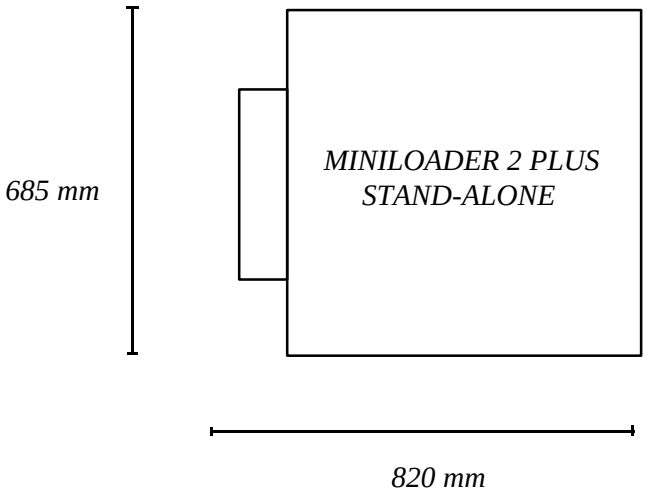
Total height of the MINILOADER is 570 mm.

DIMENSIONS AND SERVICE CLEARANCES, Model Stand-Alone.

Clearance required above is 1000 mm.



NOTE. If space is at a premium, the clearance on ONE side only may be reduced to 150 mm. The clearances at the front and rear MUST be maintained.



Total height of the MINILOADER is 670 mm.

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